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Before the
Federal Communications Commission
Washington, D.C. 20554

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Federal Communications Commission
Office of Secretary

In the Matter of

Amendment of Section 73.202(b))
Table of Allotments) MB Docket No. 05-282
FM Broadcast Stations) RM - 11229
(Rockmart and Aragon, Georgia, and)
Lynchburg and Chattanooga, Tennessee))
)

To: Office of the Secretary
Attn: Assistant Chief, Audio Division
Media Bureau

SUPPLEMENT TO REPLY COMMENTS

Woman's World Broadcasting, Inc. ("WWB"), licensee of Station WTSH-FM, Rockmart, Georgia, by its counsel, hereby supplements the reply comments that it filed on December 20, 2005. The purpose of this Supplement is to further demonstrate that WWB's proposal to allot Channel 296C1 at Aragon, Georgia will provide the requisite city-grade coverage to Aragon pursuant to Section 73.315 of the Commission's Rules.

1. J. L. Brewer Broadcasting of Cleveland, LLC ("Brewer") claims that WWB's proposal to allot Channel 296C1 at Aragon does not provide sufficient line-of-sight. In support of its claim, Brewer submitted an exhibit which purports to show a line-of-sight obstruction. However, Brewer's evidence, at best, shows a minor obstruction from the proposed site. This is not even a violation of Section 73.315, which requires a "major obstruction" for a line-of-sight issue.¹ Also, as the attached Technical Report demonstrates, the minor obstruction identified by

¹ 47 C.F.R. § 73.315(b).

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Brewer can be eliminated from a tower that is 1,500 feet AGL, which WWB is prepared to build if necessary.

2. Brewer fails to cite any case law to support its claim. This is not surprising because the case law on this issue clearly supports the fact that WWB's proposal to allot 296C1 at Aragon provides the required line-of-sight to Aragon and complies with Section 73.315. Under established case law, if, due to terrain, line-of-sight becomes an issue with a proposed allotment, the FCC requires that the proponent demonstrate that a 70 dBu signal will extend beyond the proposed community. *See Halls Crossroads, Tennessee, et al.*, DA 05-3059, ¶10 (2005); *The Dalles* 19 FCC Rcd 10068, ¶¶16-17 (2004); *Jackson and Salyersville, Kentucky*, 17 FCC Rcd 4662, 4664 (2002); *Madison, Indiana*, 14 FCC Rcd 9518, 9519 (1999); *Vacaville and Middletown, California*, 4 FCC Rcd 8315, ¶13 (1989). In all of these cases line-of-sight was an issue but the Commission determined that the proposals complied with Section 73.315 because the proponents were able to show that, based on the standard prediction method and the Longley-Rice method, the proposed 70 dBu signals extended well beyond the respective communities. For example, in *Jackson*, the Commission held, citing *Vacaville*, that a reference site that cannot provide line-of-sight coverage is still suitable where the proponent demonstrated that the transmitted signal will exceed 70 dBu over the entire principal community. *Jackson*, 17 FCC Rcd at 4664. More recently in *The Dalles* and *Halls Crossroads* decisions, the Commission held that allotments were technically viable when the station, from the proposed transmitter site, would place a 70 dBu contour over 100% of the proposed community. *Halls Crossroads*, at ¶10; *The Dalles* 19 FCC Rcd at ¶¶16-17.

3. Here, WWB's proposal for Channel 296C1 not only provides line-of-sight to Aragon (because Brewer has not demonstrated a "major obstruction"), but also provides 70 dBu

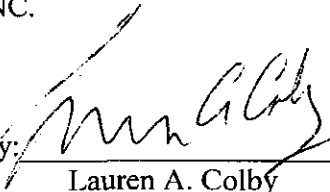
coverage to the entire community. As shown in the attached Technical Report, both the standard predicted 70 dBu contour and the Longley-Rice 70 dBu contour of WTSH-FM extend well beyond the boundaries of Aragon and thus prove that WWB's proposal will provide coverage to 100% of Aragon. Therefore, WWB's proposal is in compliance with Section 73.315 of the Commission's Rules and Brewer's objection should be disregarded.

Respectfully submitted,

January 5, 2006

WOMAN'S WORLD BROADCASTING,
INC.

Law Office of
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10 E. Fourth Street
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By: 

Lauren A. Colby
Its Attorney

**TECHNICAL REPORT REGARDING LINE-OF SIGHT FOR PROPOSED
ARAGON, GA 296C1 ALLOCATION – MB DOCKET NO. 05-282**

This report has been prepared in response to the line-of sight issue raised regarding the proposed 296C1 allocation at Aragon, GA.

A. The Proposed 296C1 facility can provide line of sight to Aragon:

Four terrain profiles are provided as Exhibits 4A-D demonstrating clear line-of-sight to four points inside the Aragon community boundaries. Two of these points achieve line-of-sight with a 1,000 ft tower while the other two require a 1,500 ft tower. Either height is regularly used for 100 kW, class C1 facilities in the southeastern region, and is considered a reasonable transmission facility. The proponent commits to the construction of a tower of these heights if required. It is also evident from these terrain plots that a 1000 ft tower will not encounter a major obstacle in the path to the community of Aragon.

B. The Proposed 296C1 facility will provide a 70 dBu signal over all of Aragon:

It is well established Commission policy in FM allocations and FM applications matters that line-of-sight is not required over all or even part of a community of license. Section 73.315 of the Commission's rules only requires that the community be encompassed with a 70 dBu signal, that there not be a major obstruction in the path and even if there is a major obstruction that it does not prevent the delivery of the required 70 dBu signal over the entire community of license. In this case there is clearly not a major obstruction in the path.

The Commission has held in several cases that line-of-sight is not required over an entire community. In the Madison, IN (MM Docket No. 98-105) the Commission conducted its own studies to ascertain that obstructions to line-of-sight in that community did not attenuate the signal level below 70 dBu. And, in Vacaville and Middletown, CA (MM Docket No. 88-491), the Commission declared that line-of-sight is not required:

Where it is alleged that a site cannot be found that allows line-of-sight coverage over the community or a transmission path free of a major obstruction, as required by Section 73.315 of the Commission's rules, the proponent must demonstrate by an engineering showing that the received signal strength as transmitted from the site will exceed 70 dBu and will encompass the entire community. (paragraph 13)

The proponent has conducted further analyses that clearly demonstrate that the proposed 296C1 allocation will cover all of Aragon, GA with a 70 dBu or greater signal. These analyses were conducted at the same site used in the

proposed rulemaking (N34-22-02 W 84-58-33). This analysis was conducted using V-Soft Communications' Probe 3 software and the V-Soft 30 second terrain database. V-Soft's propagation software has been used and accepted in many Commission cases. Its accuracy and methodology are a matter of record with the Commission. In the case of Longley-Rice calculations provided in this study, the parameters are indicated on the exhibits.

Exhibit E1 demonstrates that the FCC 70 dBu will cover all of Aragon based on a 100 kW/ 299 meter HAAT facility. A 980 foot tower was assumed at the proposed site. The Longley-Rice calculated 70 dBu contour for the same facility covers the entire community, and is included on E1. A Longley-Rice coverage map based on .1 km square calculated cells is provided as E2 demonstrating that a 73 dBu or greater signal level will be placed over all of Aragon. A Longley-Rice study using a 1460 ft tower and a 36 kW/450 meters HAAT equivalent maximum class C1 facility places a 74.9 dBu or greater signal over all of Aragon (see E3).

C. Conclusion

It is concluded that the proposed 296C1 Aragon, GA allocation meets the Commission's requirements that a signal level of 70 dBu be placed over the entire community. The facility is entirely compliant with Section 73.315.

Respectfully Submitted:

A handwritten signature in cursive script, followed by the date "1/5/06".

Clyde Scott, Jr.
EME Communications
293 JC Saunders Road
Moultrie, GA 31768

229-890-2506

E1

RADD 296C1

Latitude: 34-22-02 N
Longitude: 084-58-33 W
ERP: 100.00 kW
299 meters HAAT
Channel: 296
Frequency: 107.1 MHz
AMSL Height: 539.32 m
Elevation: 253.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 9.1 m
Receiver Gain: 0 dB
Time Variability: 50.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

RADD 296C1

ARAGON 2000 CENSUS BOUNDARIES

FCC STANDARD 70 DBU
TERRAIN BASED CONTOUR

LONGLEY-RICE 70 DBU
CALCULATED CONTOUR
BASED ON FIRST OCCURRENCE

Scale 1:400,000

0 5 10 15 km

B2

RADIO 23623

Latitude: 34-22-02 N
Longitude: 104-58-33 W
ERP: 100.01 kW
200 meters HPA
Channel 236
Frequency: 107.1 MHz
Altitude: Height 535.52 m
Elevation 353.0 m
Azim: Pattern: Cym
Vant: Pattern: No
Freq Model: Large/Rice
Climate: Cont Temperature
Conductivity: 0.0000
Dialac Cond: 15.0
Radiation: 34.15
Receiver Ht AG: 5.1 m
Receiver Gain: 0 dB
Time Variability: 50.0%
SR Variability: 56.0%
TWR Mode: Broadcast

ARAGON 2000 CENSUS BOUNDARIES

ENTIRE ARAGON AREA
COVERED BY LOMLEY-RICE
73 DBM SIGNAL OR GREATER (GRAY)
USING A 300 FT TOWER

Scale: 1:25,000
0 0.50 1.00
Feet

53

84333 25853

Latitude: 34-02-02 N
Longitude: 104-59-50 W
Elev: 28.00 m
500 meters HoAT
Channel 28ft
Frequency: 107.1 MHz
Anten. Height: 800.32 m
Elevation: 250.0 m
Host: Patate Cond
Host Pattern: No
Prop Model: LongleyRice
Climate: Cord temperature
Conductivity: 0.050
Dissol: Cond: 12.0
Refraction: 3.110
Receiver Ht: 155.0 m
Receiver Gain: 2 dB
Time Variability: 50.0%
S/N Variability: 50.0%
Tide Mode: Rhythmic

APAGON 3000 CENSUS BOUNDARIES

ENTIRE APAGON AREA
COVERED BY LORLEY-RICE
24.8 DBM SIGNAL OR GREATER (ORIGIN
USING A 3400 FT TOWER

Scale 1:25,000
0 0.50 0.50 1.0
Kilometers

E4A ARAGON POINT A

Earth's Curvature = 1.33

800

650

500

350

200

Elevation (m)

36.988

30.82

24.66

18.49

12.33

6.16

0.0

Distance (km)

Profile

Fresnel

Curvature

Starting Latitude: 34-22-02 N

Starting Longitude: 084-58-33 W

End Latitude: 34-02-31 N

End Longitude: 085-03-51 W

Distance: 36.987787246 km

Bearing: 192.740 deg

Transmitter Height (AG) = 450.0 m

Receiver Height (AG) = 9.1 m

Transmitter Elevation = 253.0 m TOPO

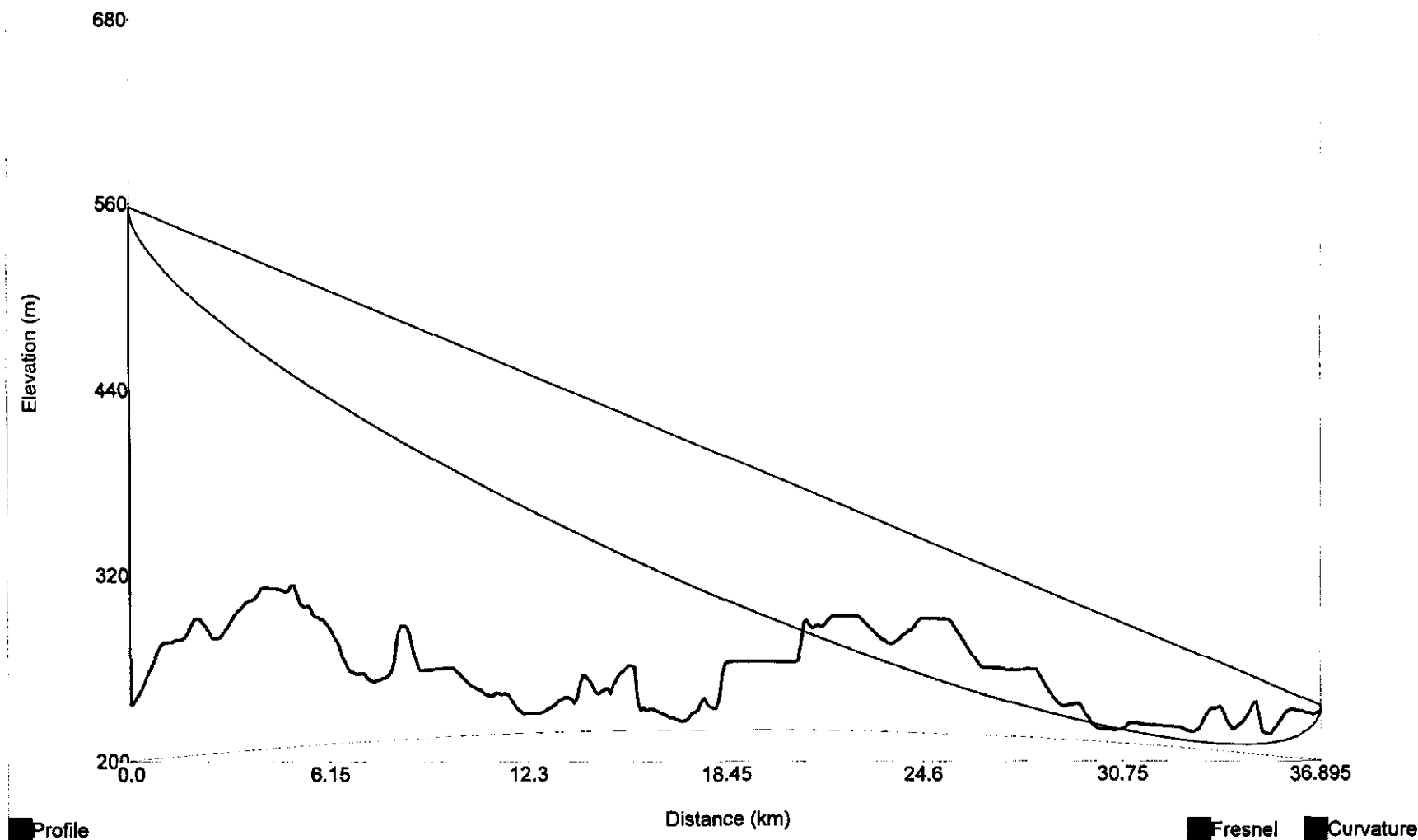
Receiver Elevation = 228.3 m TOPO

Frequency = 107.1 MHz

Fresnel Zone: 0.6

E4B ARAGON POINT B

Earths Curvature = 1.33



Starting Latitude: 34-22-02 N
Starting Longitude: 084-58-33 W

End Latitude: 34-02-25 N
End Longitude: 085-02-58 W

Distance: 36.894712668 km
Bearing: 190.617 deg

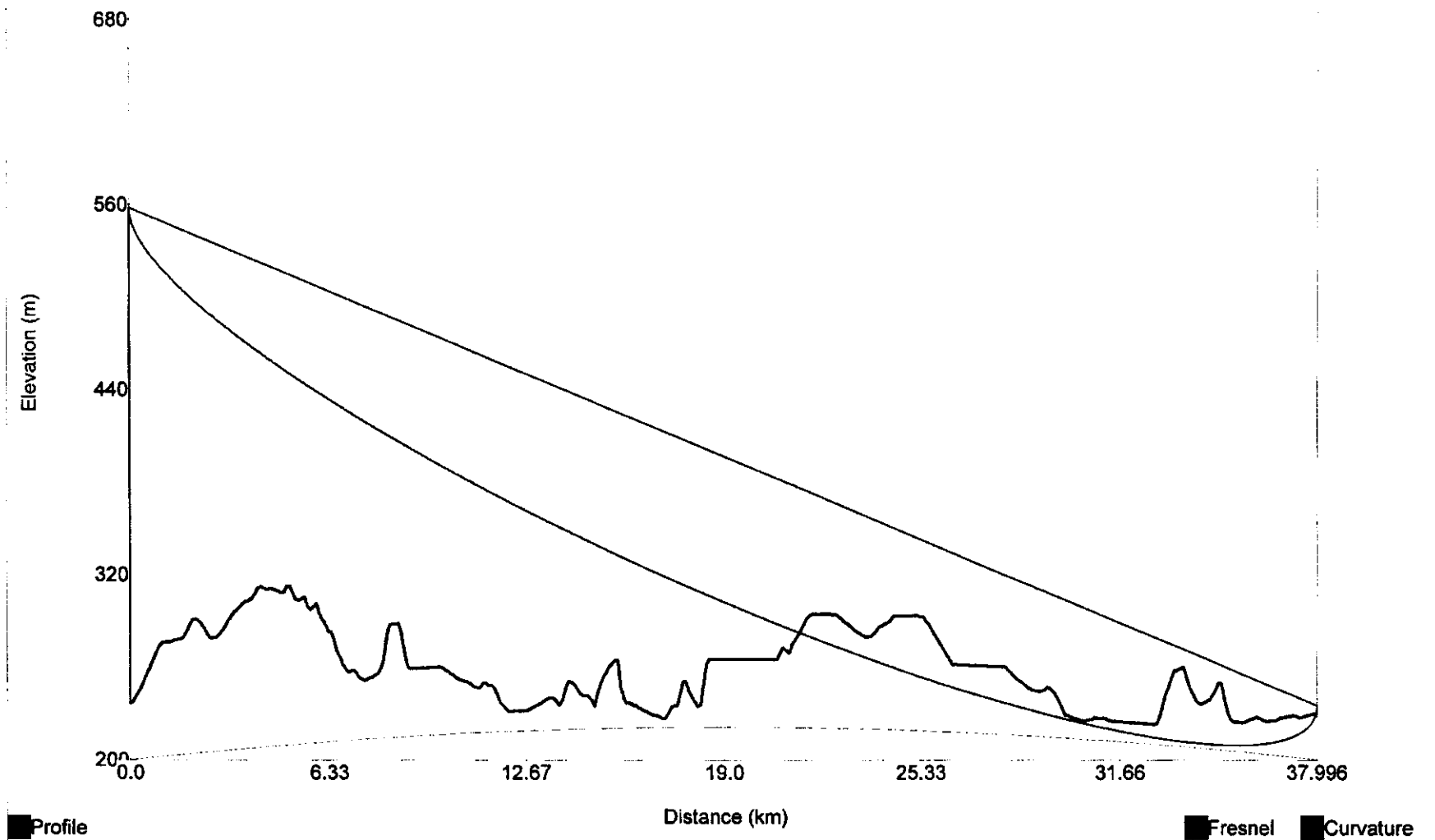
Transmitter Height (AG) = 304.8 m
Receiver Height (AG) = 9.1 m

Transmitter Elevation = 253.0 m TOPO
Receiver Elevation = 226.0 m TOPO

Frequency = 107.1 MHz
Fresnel Zone: 0.6

E4C ARAGON POINT C

Earth's Curvature = 1.33



Starting Latitude: 34-22-02 N
Starting Longitude: 084-58-33 W

End Latitude: 34-01-51 N
End Longitude: 085-03-13 W

Distance: 37.995561227 km
Bearing: 190.897 deg

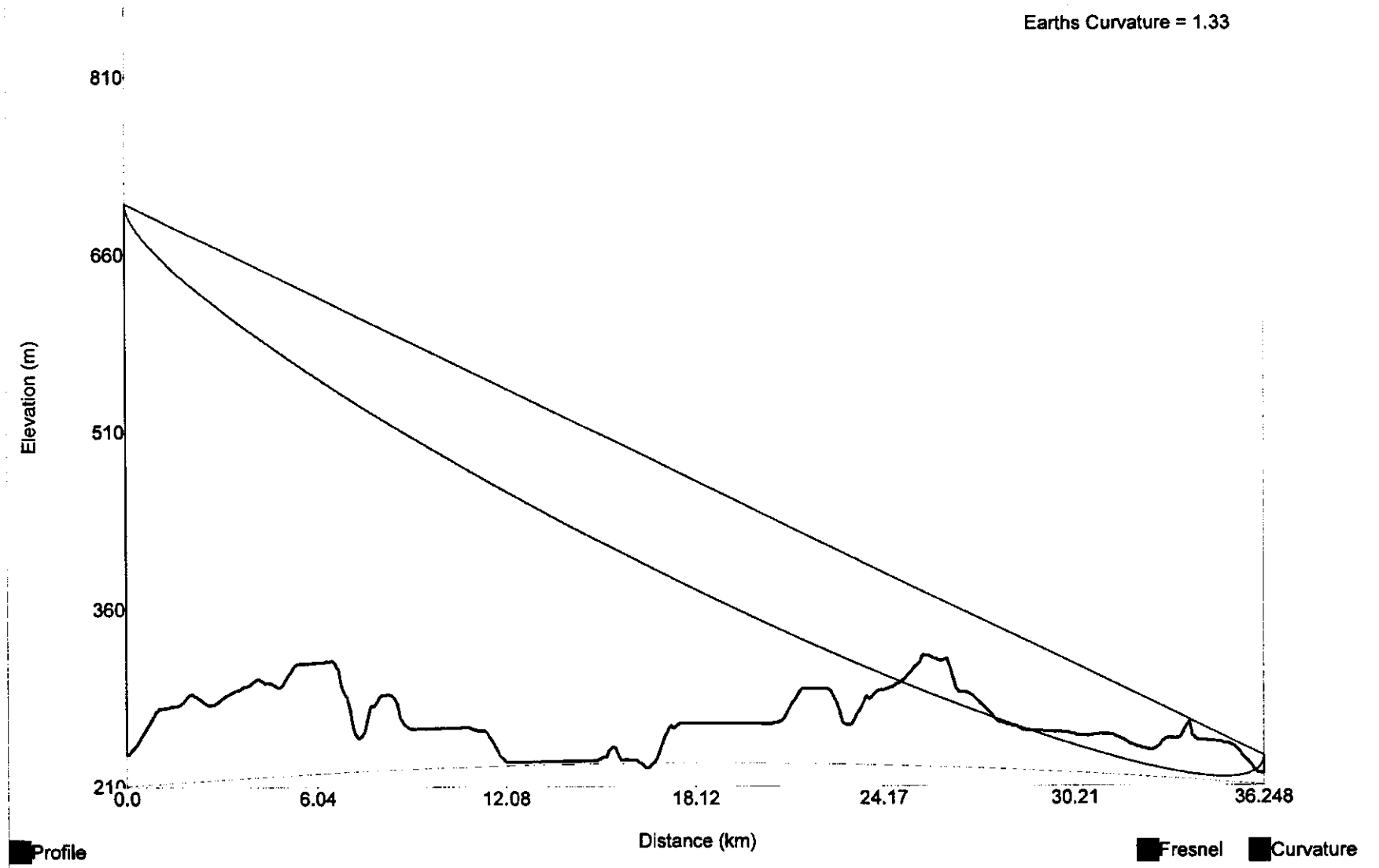
Transmitter Height (AG) = 304.8 m
Receiver Height (AG) = 9.1 m

Transmitter Elevation = 253.0 m TOPO
Receiver Elevation = 225.9 m TOPO

Frequency = 107.1 MHz
Fresnel Zone: 0.6

E4D 296C1 LINE OF SIGHT TO ARAGON POINT D

Earths Curvature = 1.33



Starting Latitude: 34-22-02 N
Starting Longitude: 084-58-33 W

End Latitude: 34-02-56 N
End Longitude: 085-03-53 W

Distance: 36.248261403 km
Bearing: 193.087 deg

Transmitter Height (AG) = 450.0 m
Receiver Height (AG) = 9.1 m

Transmitter Elevation = 253.0 m TOPO
Receiver Elevation = 225.4 m TOPO

Frequency = 107.1 MHz
Fresnel Zone: 0.6

CERTIFICATE OF SERVICE

I, Crystal M. Waller, a secretary in the law office of Lauren A. Colby, do hereby certify that copies of the foregoing have been sent via first class, U.S. mail, postage prepaid, this 5th day of January, 2006, to the offices of the following:

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Washington, DC 20554

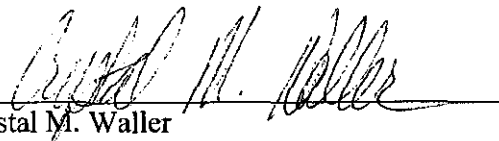
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